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Amendments

In the reference with discussion in the Pre-bid meeting held on 15th July 2016 following amendments are decided as per suggestions and recommendation of the concerned faculty and suppliers who had attended the meeting.

Following modifications in the specifications of respective items are as given in the table below :-

Sr.No	Item Name	Specifications
1		Universal Analog Input card
		Input Characteristics Number of channels 4 analog input
		channels
		ADC resolution 24 bits
		Type of ADC Delta-sigma (with analog pre-filtering)
		Sampling mode Simultaneous
	Data Acquisition System	Type of TEDS supported IEEE 1451.4 TEDS Class II
		(Interface)
		input ranges
	T2Ext Mech-2	Voltage ±60 V, ±15 V, ±4 V, ±1 V, ±125 mV
	(TEQIPII/MH/MH2G02/176)	Current ±25 mA
		4-Wire and 2-Wire Resistance 10 k Ω , 1 k Ω 10.5 k Ω , 1.05
		kΩ
		Thermocouple ±125 mV
		Digital IO card
		Number of channels 8 DIO channels
		Input/output type TTL,
		Input Voltage 5.25 V maximum High, VIH 2 V
		minimum Low, VIL 0.8 V maximum
		Output High, VOH (5.25 V maximum) Sourcing 100 µA
		4.7 V minimum Sourcing 2 mA 4.3 V minimum

2		TECHNICAL SPECIFICATIONS
	Universal Vibration Test rig	• Base platform enabling mounting of several vibration
	Chiversal vibration restring	training modules
		• Integrated training package including data
	T2Ext Mech-7	acquisition hardware and simulation/analysis
	(TEQIPII/MH/MH2G02/181)	software system
		• Software/manual driven variable speed shaker for excitation with tachometer display
		• One degree of freedom spring mass system
		• One aluminum beam with provision for adjusting
		weight location and one weight block(mass)
		• Two user configurable beam supports for cantilever or simply supported configurations (adjustable
		length)
		Accelerometer and one USB to PC trans-receiver
		Comprehensive operations manual
		• Sensor Kit (SK)
		Universal Vibration Test rig should be capable of doing a
		while range of experiments covering all vibration
		• Lymnad System Experiments
		• <u>Lumped System Experiments</u>
		Simple pendulum
		Spring-Mass-Damper system: 1 & 2 DOF
		Pree and forced vibration
		Viscous damping calculation
		Transient vibration
		Frequency Response Function (FRF)
		Torsional System: 1 to 3 DOF
		<u>Continuous System Experiments</u>
		Beam with different boundary conditions
		Free and forced vibration
		Damped and undamped vibration
		Transient vibration
		Frequency Response Function (FRF)
		Modal analysis
		Operating Deflection Snape (ODS)
	1	1